

Chapter 5 Preview
Logic and Geometry
Integrated Math 2

Name _____

Date _____

Definitions: Define the following:

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|----------------------------------|--------------------------------|
| 1. Collinear/Noncollinear Points | 26. Side-Side-Side Postulate |
| 2. Coplanar/Noncoplanar Points | 27. Side-Angle-Side Postulate |
| 3. Congruent Line Segments | 28. Angle-Side-Angle Postulate |
| 4. Midpoint of a Segment | 29. Included Angle/Side |
| 5. Bisector of a Segment/Angle | 30. Parallelogram |
| 6. Ray | 31. Opposite Angles |
| 7. Vertex of an Angle | 32. Consecutive Angles |
| 8. Complementary Angles | 33. Opposite Sides |
| 9. Supplementary Angles | 34. Consecutive Sides |
| 10. Adjacent Angles | 35. Polygon |
| 11. Congruent Angles | 36. Vertex of a Polygon |
| 12. Perpendicular Lines | 37. Convex |
| 13. Vertical Angles | 38. Concave |
| 14. Parallel Lines | 39. Regular Polygon |
| 15. Parallel Planes | 40. Diagonal |
| 16. Skew Lines | 41. Radius |
| 17. Transversal | 42. Chord |
| 18. Alternate Interior Angles | 43. Diameter |
| 19. Same-side Interior Angles | 44. Central Angle |
| 20. Alternate Exterior Angles | 45. Semicircle |
| 21. Corresponding Angles | 46. Minor Arc |
| 22. Vertex of a Triangle | 47. Major Arc |
| 23. Exterior Angle of a Triangle | 48. Inscribed Angle |
| 24. Base Angles | 49. Circle Graph |
| 25. Congruent Triangles | |

Objectives: You *should* be able to do the following objectives:

1. Identify fundamental geometric concepts
2. Identify and use basic geometric postulates
3. Identify and use perpendicular lines
4. Identify and use angle relationships
5. Identify angles formed by parallel lines and transversals
6. Identify and use properties of parallel lines
7. Classify triangle according to their sides and angles
8. Identify and use properties of triangles
9. Use postulates to identify congruent triangles
10. Classify different types of quadrilaterals
11. Identify and use properties of parallelograms
12. Classify polygons according to their sides
13. Find the sum of the angle measure of polygons
14. Understand relationships among parts of a circle
15. Identify and use properties of circles

16. Accurately create circle graphs to describe real-world data

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for the test and quizzes. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks on the test and quizzes. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

Check the class wiki for summary assignments.